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Better Bred Seeds for Your 1946 Plantings

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J. R. MAGNESS
HEAD HORTICULTURIST IN CHG.
BUREAU OF PLANT INDUSTRY
U.S. DEPT. OF AGRICULTURE
WASHINGTON, D.C.

Better
Read About
Rust Resistant Grains



Foundation Potatoes
Ladino Clover

Wisconsin Hybrid Corns
Quaker Hill Danish Cabbage

Achenback Brome
Earliana Soy



Mrs. Smillwood
USDA Library
South Bldg





BETTER BRED SEEDS

Hybrid sweet corn,
field corn, potato, oat,
cabbage, field pea,
barley, wheat, soy bean,
rye, alfalfa, clover, grass,
other forage crop seeds.

HONEOYE FALLS, N. Y. - MARCH 10, 1946

Dear Friend:— You and your fellow farmers deserve more credit than received for the tremendous volume of food produced during the war. In spite of handicaps you produced more than enough for those dependent upon you. Well done!

The armed fighting is over. Two gangs of outlaws have been subdued but a third now threatens the peace of the world. This gang, with millions of propaganda plied people under its control and millions more being subjugated, is not only grasping at natural resources and strategic positions belonging to others but also is stealthily, steadily and effectively undermining the political and economic stability of other nations, including our own.

Another World War is brewing. It can and should be stopped now by able statesmanship and cooperative effort backed by an alerted public, rather than later at inestimable cost. Winston Churchill sounded the warning. Let's heed it and make our views known at Washington.

This is not selling seeds but it is sowing seeds and I hope they fall on fertile soil. Sincerely, K. C. LIVERMORE

Oats - Barleys - Wheats

The big news in spring grains is the outstanding performance of new disease resistant strains recently developed by U. S. and State Plant Breeders. Nearly all spring grains including the best yielders, up to a few years ago, have been susceptible to various smut, rust, and blight diseases. Losses from these diseases usually could be avoided by early planting and seldom were serious. But in the past three years due to weather conditions and late plantings, losses from these diseases have been serious. Weakened straw, light grain, and unprofitable yields have been the rule throughout the spring grain growing areas, except where new disease resistant strains have been used. Of these new strains we offer Vicland and Goldwin Oats, L Barley, Henry and Mida Wheat. Better get acquainted with them.

VICLAND OAT - With rust and smut resistance derived from an insignificant oat from Uruguay, combined in its inheritance with high yield, and weight, and straw strength from domestic strains, Vicland has outyielded former leaders by 25 to 30 bushels in 3 years of Wisconsin tests. It has shown similar yield differences in other states when plantings were late, when weather was unfavorable, or when rusts struck. So Vicland is good insurance against oat losses from weather or diseases.

It is tree type with short stiff straw. Kernels are small, yellow, thin hulled, heavy. Matures early.

GOLDWIN OAT - Product of Cornell Plant Breeders; outyields Lenroc and Cornelian by 16%; is highly resistant to smuts but susceptible to rusts. In a Cornell test at Quaker Hill Farm in 1942 when rust was not serious, yields were Goldwin 87, Lenroc 83, and Vicland 76 bu. per acre. Since then, late plantings and rust diseases have given Vicland the advantage. If you can sow real early and rust does not strike, you will win with Goldwin. It resembles Lenroc. Supply is very small.

LENROC OAT - Usually equal to or better than Vicland when planted early, when weather is favorable, and rusts do not attack. It previously averaged 2 to 5 bushels more than other station developed varieties and usually 5 to 15 bushels more than old varieties from the Central West. Tree type; tall, fairly strong straw; white, medium size kernels; thin husk. Must be planted early for best results.

UPRIGHT OAT - Notable for tall but strong straw and good yield of big white oats. Out-stands all other big straw oats. If your oats usually lodge and you need a lot of straw, Upright will solve the problem, but you must plant early for best results.

ALPHA BARLEY - Best two rowed barley for Northeastern States. Wide adaptation, excellent straw, large kernels, high yields. Best for mixtures with oats. Best for milk production but not for beer. Stands better after ripening than other kinds. Best for combining. Threshes cleaner. Its beards are barbed but not uncomfortably so.

"L" BARLEY - Originated in Minnesota. Six rowed, rough awned, heavy, plump, white kerneled barley of good malting quality. Rust resistant and moderately blight resistant. Has averaged 8 to 10 bushels more per acre than Wis. 38 Barley in rust years; yields about the same when there is no rust. Straw weaker than Wis. 38 and than Alpha.

HENRY WHEAT - High yielding, disease resistant spring wheat developed at Wisconsin Experiment Station. Large bearded heads. Large kernels of fair milling and baking quality. Many 40 to 50 bushel yields were harvested in Wisconsin last year, nearly double yield of Marquis. We offer certified and not certified seed. Plant early.

MIDA WHEAT - High yielder developed by North Dakota Experiment Station. Moderately resistant to rusts and covered smut but susceptible to loose smut and scab. Tall strong straw, bearded heads, large hard red kernels; good milling and baking qualities.

WHITE CANADIAN FIELD PEAS - One of the best in yield of grain and vine growth. Grown in West to escape blight infection. Blight infected seed is unsafe. Peas require inoculation, high lime soil, cool climate, early and shallow planting.

FARM CHEMICALS
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disinfectants,
seed inoculants,
fertilizers, sulphur,
gypsum, lime,
dusts and sprays.
Also drain tile.

Quaker Hill Certified Seed Potatoes

Seed potato value depends mostly on (1) freedom from disease carried in the tuber, (2) the breeding of the strain and (3) condition of the seed. The first two cannot be told fully by appearances, yet are most important. The buyer must depend on the certification tag and the word of the seller.

All our certified lots are from fields reported by the inspectors either free or very nearly free of virus diseases. We offer "foundation" stock in Cobbler, Katahdin and Sebago. The not certified lots were grown from certified seed and especially for seed use. Special precautions have been taken to guard against bacterial ring rot and we are as sure as can be, that the disease is not present in any of the seed potatoes offered. All lots are backed by years of careful breeding. They are northern grown, well stored, well graded and guaranteed to reach you in satisfactory condition.

The best of the new and old varieties available are listed below, in the order of their ripening. See page 3 for sources, grades and prices.

WARBA - Ten to 14 days earlier than Cobbler. Generally outyields it. Quality is very good. It resembles Cobbler, but has pink eyes. Mosaic resistant; susceptible to scab, leaf roll, etc. Best early in our judgment. Sold out.

IRISH COBBLER - About 90 days; the main early potato. Round, white, deep eyed tuber of excellent quality. Prince Edward Island certified Cobblers are best. We offer foundation grade.

KATAHDIN - Matures 3 to 4 weeks later than Cobblers. Fine appearing, white-skinned, round, flattened potato. Quality good. Resistant to virus diseases, scab susceptible. Sets lightly but develops nearly all No. 1 size potatoes. Sets shallow, needs more and later covering. Excellent keeper.

SEBAGO - Matures about 2 weeks later than Katahdin. Has proven resistant to blight both early and late and also to yellow dwarf, mild mosaic and scab. Smooth, shallow eyed, white skinned, round tubers. Attractive. Table quality excellent, equal to any in our opinion. In many tests, Sebago's yields were generally equal to or better than other varieties. Popularity increasing rapidly in late potato areas. We recommend it highly for either garden or field.

SEQUOIA - Week later than Sebago. Yields averaging more than any other. Tolerant to flea beetles, leaf hoppers and drought. Somewhat resistant to blight and frost. Scab susceptible. Late maturing, must be planted early. Tends to grow oversize unless planted closely. Quality good. Better try Sequoia. (See Prices on Page 3).

Quaker Hill Danish Cabbage

The fact that every kernel of our Danish seed is grown from carefully selected mature heads assures better seed than most of that on the market which is at least second crop from selection. More than 30 years of skilled selection have produced and maintained a strain of high yielding ability, ideal market type, exceptional storage quality and excellent flavor and texture. Numerous tests in New York, Pennsylvania and other states have given Quaker Hill Danish high ratings. It would rate high with you, too.

Greater Profits From Pasture Improvement

High feed costs and high milk and meat prices have boosted profits from good pastures tremendously. Never before has pasture improvement offered so rich rewards. No stockman can afford to ignore them. At Cornell, after much research, methods of improvement have been perfected and put into practice that produce much greater annual net returns than are secured from most other crops. Better write Agronomy Dept., College of Agriculture, Ithaca, N. Y. for Bulletin 567 and other literature on pasture improvement. Start improving your pasture this season. We can supply the recommended seeds. (See Prices on Page 3)

Hybrid Sweet Corns

They actually yield 25% to 100% more than the old favorites, are much more uniform, have high quality and all of them are resistant to the dread wilt disease. The seed is produced by controlled cross pollination of specially bred strains. The seed costs more, but results justify the cost many times over.

We offer hybrids that ripen at different times, each being one of the best available in its ripening period. You can choose those that best suit your market or can provide a continuous supply from early to late by planting at one time several that will ripen in succession and then following with successive plantings of a late one.

In the brief descriptions given below, the maturity dates are approximate for this section and naturally vary with locality and season. They are comparable with Golden Bantam at 80 days. For detailed description ask for our Special Sweet Corn Circular. It gives valuable planting suggestions and directions for controlling ear worm, corn borer and smut.

SPANCROSS - 65 days, 19 earlier than Golden Cross. Earliest wilt resistant hybrid available. Cold resistant. Prolific yielder of very uniform, attractive, medium size, 10 to 12 rowed ears.

MARCROSS - 68 days. Follows Spancross, 16 days ahead of Golden Cross. Wilt resistant, good yielder, large 12 rowed ears, better quality, excellent market type. A money maker for commercial growers.

CARMELCROSS - 72 days. Wilt resistant, fine quality, 12 rowed, large ears, 12% to 30% more ears than Marcross.

OLD HICKORY - 73 days. Similar to Carmelcross but hardier and outyields it under adverse conditions.

LINCOLN - 78 days, 6 days ahead of Golden Cross. Wilt resistant, drought resistant, wide adaptation. Heavy producer of large, attractive, good quality, 12 to 16 rowed ears.

LEE - 78 days, in Lincoln class. Ears slightly larger; quality a little better. Not so hardy. Better for New England and Eastern New York. Wilt resistant.

GOLDEN CROSS BANTAM - 84 days. Wilt resistant, 12 rowed, high yielder, good size, excellent quality. One of the first hybrids and still a favorite.

SILVER CROSS BANTAM - 84 days. A white counterpart of Golden Cross, yielding nearly 100% more than Country Gentleman and Stowell's Evergreen and tops in sweetness, flavor and tenderness. Apparently wilt resistant.

IOANA - 87 days. Appearance, quality, size ears like Golden Cross. Stalks larger, suckerless. Notably resistant to heat and drought. Out-yields Golden Cross under such conditions. Wilt resistant.

MAGNAGOLD - 90 days. Wilt resistant. Big handsome 16 to 18 rowed ears of excellent quality. Sell fast at premium prices. Lots of fodder. Best late yellow hybrid from every angle.

GRADES

To permit more accurate planting, the seed is sold in 4 grades:—
LARGE FLAT MED. FLAT LARGE ROUND MED. ROUND

Experience indicates that the above grades are equally productive, provided spacing is the same and the medium sizes are not planted too deeply. (See Prices on Page 3).

Family Garden Sweet Corn Assortment

Here is a package of assorted hybrid sweet corn seeds, ripening in succession, that provides an average family with an abundance of delicious fresh sweet corn from early summer till fall, and plenty to can or dry for winter. It includes 2 oz. each Spancross, Marcross, Carmelcross, Lincoln, Magnagold and 12 oz. Golden Cross with directions for planting. Lots of enjoyment and real savings on food costs come in this package. Decide now to feast on sweet corn this summer. (See Prices on Page 3).

Forage Crops

BROME GRASS - Long lived, winter hardy, deep rooted, drought resisting perennial. Spreads by underground stolons as well as by seed. Runs out blue grass and all other common plants. Ideal pasture because production starts early, stays green thru droughts, lasts late in the fall, always palatable, in fact, probably most palatable grass. But must not be grazed too closely. In Illinois test Brome pasture produced 259 lbs. gain per acre on cattle and sheep while blue grass pasture produced 164 lbs. As hay, it is taller than timothy, more leafy and better relished by stocks. Takes year longer than timothy to make full crop. Sow 20 lbs. alone or 8 lbs. with 8 lbs. Alfalfa or 3 of Ladino. Sow separately.

Achenbach Brome, a Kansas strain outyields the Dakota and Canadian strains by about 20% and has proved winter hardy in this latitude. (See Prices on Page 3).

EARLIANA SOYS - Recent release of New York plant breeders. Best grain soy for New York and New England except northern sections. Matures in about 100 days, about a week earlier than Seneca and later than Cayuga. Heavy yielder, larger yellow bean, stiffer straw than Seneca. For protein grain feed, for oil extraction or perhaps for hay, Earliana is the soy for the North Eastern States. See page 3 for prices of this and other soys for other purposes.

LADINO WHITE CLOVER - Most valuable recent addition to our forage crops. A giant type white clover similar to Wild White in spreading habit, palatability and being a perennial, but growing large enough to be used for hay. Recommended in hay seedings where 2nd growth is to be pastured or where the field is to be mowed for a year or two and then pastured for a time. It is used in Cornell Utility and General Purpose Mixtures, 1 lb. per A. This small seeding produces good yields of pasture or hay several years after Red and Alsike clovers have run out. Ladino yields well on many fields not adapted to alfalfa or wild white clover and deserves wider use as a substitute for them in hay and pasture mixtures. Orchard Grass and Timothy combine well with Ladino but Kentucky Blue Grass tends to run it out. Red and Alsike Clovers may be combined with it. Best results require liberal fertilizing with phosphorus and potash. Use Nitrogen B.

ALFALFA SUBSTITUTE - The supply of hardy northern grown Alfalfa seed is extremely short. Wherever use of southern seed is too hazardous, the best substitute probably is a mixture of about 3 lbs. Ladino clover and 6 lbs. timothy, per acre. This mixture will yield nearly as much as alfalfa and, if cut early, will have nearly equal feed quality. On good soil, it should last nearly as long as alfalfa, too. Seed cost approximately equal.

We have top quality seed at money saving prices. Compare them and order early. (See Prices on Page 3).

OTHER FORAGE CROPS - Other clovers, grasses and miscellaneous forage crop seeds are listed on next page. See Prices on Page 3.

Field Corns

Hybrid field corns have made good in the Northeastern States. Nearly all who have tried them are well pleased. Now salesmen swarm over the country side with long lists of confusing names and numbers of various hybrids. The majority of the hybrids offered are too late in maturity for this part of the country. Some are "closed or secret formula" hybrids offered at high prices by high pressure salesmen. Others are "open formula" hybrids developed, tested, maintained and certified by the Agricultural Experiment Stations and the U. S. Department of Agriculture. In general the latter are better, more reliable, and more economical. In the demonstration tests in New York State the Wisconsin hybrids have performed very well and received more votes of approval than any other group. They are produced under climatic conditions similar to ours. For these reasons we offer and recommend an early-to-late series of Wisconsin hybrids with assurance that they will equal or better the performance of any other group.

Following are our selections for different conditions here in the Northeastern States. They are based on maturity trials and observation plantings. All are hybrids except Yates and Sheffield flints, Early Huron, Cornell 11, and West Branch Sweepstakes. Numbers in parentheses are approximate days required for maturing under conditions here. They of course vary from season to season and place to place, but show relative maturities.

For grain it is best to use corns that ripen well within the season limits. Our selections are intended to be on the safe side. For silage, taller corns with high grain yield records, that ripen 5 to 15 days later, usually make maximum yields of best quality silage. We have listed such for each situation described below.

VERY SHORT SEASON

Where only the very earliest corns mature; generally at elevations over 1200' and at lower elevations in Northern New York and New England.

Grain: Wis. 255 (90); Yates (90); Sheffield (90).

Silage: Wis. 335 (100); Early Huron (100).

SHORT SEASON

Where 95 to 105 day corns usually mature; generally at elevations of 900' to 1200'.

Grain: Wis. 335 (100); Wis. 355 (100); Early Huron (100).

Silage: Wis. 416 (105); Cornell 11 (105); Wis. 464 (115).

MEDIUM SEASON

Where 105 to 115 day corns usually mature; generally at elevations of 500' to 900'.

Grain: Wis. 416 (105); Cornell 11 (105); Wis. 464 (115).

Silage: Wis. 531 (120); Ohio K24 (120); Sweepstakes (125).

LONG SEASON

Where 115 to 125 day corns usually mature; generally at elevations under 500'.

Grain: Wis. 531 (120); Ohio M20 (120); Ohio K24 (120).

Silage: Wis. 608 (130); Wis. 641 (130).

VERY LONG SEASON

Most favored locations in areas last described.

Grain: Wis. 608 (130); Wis. 641 (130).

Silage: U. S. 13 (145).

GRADES

Germinations range from 90% to 98%. Seed is graded,—Large Flat, Medium Flat, Large Round, Medium Round. This permits more accurate planting with less waste of seed and better yields. The different grades produce equally well, provided the seed is properly spaced. (See Prices on Page 3)

TERMS

Terms are cash with order, or 25% payment with order and balance before shipment or c. o. d. on arrival with collection fees added.

All prices include containers and are f. o. b. here except as noted.

GUARANTEE

If you are not satisfied with what you receive from us and notify us promptly, we will replace if possible or refund, as you prefer. Loss or damage in transit will be adjusted if you have agent note same on his bill. So many conditions beyond our control affect results, we cannot and do not assume any responsibility for the results secured from our seeds or other supplies. Orders are booked with the understanding that changes in transportation rates are for customer's account and that delivery is contingent on any circumstances beyond our control.

Please order early. Thanks. Yours for better seeds. K. C. LIVERMORE.

PRICE CHANGES

Prices are subject to change without notice. If lower when your order is received, difference will be refunded; if higher you will be notified and may pay difference or change or cancel order.

SWEET CORN HIGH YIELDING HYBRIDS

SPANCROSS, MARCROSS, CARMELCROSS, OLD HICKORY, LINCOLN, LEE, SILVER CROSS, GOLDEN CROSS, IOANA, MAGNA-GOLD,—

Postpaid: 1/4 lb. 25¢; 1/2 lb. 35¢; 1 lb. 50¢; 2 to 19 lb. 42¢ per lb. to 5th zone; 5¢ higher beyond and to Canada.

Not prepaid: 20 to 99 lb. 37¢; 100 lb. or more 35¢ per lb.

Above prices are for large flat and medium flat kernels. Deduct 10¢ per lb. for large round and medium round kernels.

When ordering more than one hybrid, the price applying to the total quantity may be used for each kind of which 1 lb. or more is ordered. Less than 1 lb. of any kind should be figured at the price applying to its own weight. FAMILY GARDEN ASSORTMENT, 6 hybrids, produces plenty all summer for hearty family.—Postpaid 1000 miles (5th zone) in the U.S., \$1.00; beyond and in Canada, \$1.10. BUTTERCUP SQUASH, absolute tops in quality. A packet, planted in the sweet-corn supplies family all winter. Postpaid: pkt. 25¢; oz. 35¢; 1/4 lb. 85¢; lb. \$3.00.

OATS Sacked 3 bu. per bag Per bu. 32 lbs.

30 BU. 10¢ LESS, 100 BU. 15¢ LESS

VICLAND, new rust resistant oat \$1.60
VICLAND, certified \$1.70
GOLDWIN, certified \$2.00
LENROC, the improved Cornellian \$1.40
LENROC, certified \$1.50
UPRIGHT, with tall stiff straw \$1.40
UPRIGHT, certified \$1.50

BARLEY Sacked 2 bu. per bag Per bu. 48 lbs.

20 BU. 10¢ LESS, 70 BU. 15¢ LESS

ALPHA, 2 rowed, best straw \$2.50
ALPHA, certified \$2.65
"L", 6-rowed, rust resistant \$2.60

FIELD PEAS Sacked Per bu. 2 bu. per bag 60 lbs.

10 BU. 15¢ LESS, 20 BU. 25¢ LESS

WHITE CANADA, tested disease free. \$5.40
(See inoculants back page)

MIXTURES Per bag 2 1/2 bu.

10 BAGS OR MORE 25¢ LESS

OATS & BARLEY, 100 lb. \$5.00
Lenroc 40 lb. Alpha, 60 lb.
PEAS, OATS & BARLEY, 110 lb. \$6.70
Peas 30, Lenroc 32, Alpha 48 lb.
PEAS & OATS, 108 lb. \$7.60
Peas 60 lb. Upright Oats 48 lbs.

SPRING WHEAT Per bu. 60 lb.

10 BU. OR MORE 10¢ LESS

MIDA, new, rust resistant \$3.75
HENRY, new, rust resistant \$4.00
HENRY, certified \$4.50

SOY BEANS Per bu. 60 lb.

10 BU. OR MORE 10¢ LESS

CAYUGA, earliest, black \$3.50
EARLIANA, new, best for N. Y. \$3.75
EARLIANA, certified \$5.00
HABERLANDT, best for silage \$4.00
WILSON, for plowing under, late, large \$3.60
(See inoculants back page)

FIELD CORN 10 BU. OR MORE 25¢ LESS

VARIETY	Grades Available	Per bu.
VERY EARLY (85-95)		56 lb.
Wis. 255 L.F., L.R.,	\$8.00	\$7.00
Yates L.F., M.F., L.R., M.R.	\$4.40	\$3.90
Sheffield L.F.,	M.R. \$4.40	\$3.90
EARLY (95-105)		
Wis. 335 L.F., L.R.,	\$7.50	\$6.50
Wis. 355 L.F., L.R.,	\$7.50	\$6.50
Early Huron L.F., M.F., L.R., M.R.	\$4.00	\$3.50
MEDIUM (105-115)		
Wis. 416 L.F., L.R.,	\$7.50	\$6.50
Cornell 11 L.F., M.F.,	\$3.90	\$3.40
Wis. 464 L.F.,	\$7.50	\$6.50
LATE (115-125)		
Wis. 531 L.F., L.R.,	\$7.00	\$6.00
Ohio M-20 M.F.,	\$7.50	
Ohio K-24 L.F., M.F.,	\$7.50	
Sweepstakes L.F., L.R.,	\$3.90	\$3.40
VERY LATE (125-140)		
Wis. 608 L.F.,	\$7.50	\$6.50
Wis. 641 L.F., L.R.,	\$7.00	\$6.00
U. S. 13 L.F., L.R.,	\$7.50	\$6.50

POTATOES F. O. B. here. Per 100 lb.

To save time and bags we will not break bags except in Cobbler and Sebago and as listed. They are best garden varieties available.

"Cert" means certified. "A" means U. S. No. 1, 1 1/8" or 2" to 12 oz. "B" means U. S. No. 1, 1 1/2" to 1 1/8" or 2". "Com." means U. S. Commercial grade, which includes minor defects like sun greening, slight cuts or insect work, not to exceed 15%. "Foundation" or "Found.", means very low or no diseases reported and recommended for seed production.

Ask for special prices on 100 cwt. or more. Truck deliveries are possible when volume and return loads justify.

No potato orders will be booked unless accompanied by payment of at least 25%.

1 to 9 10 cwt.

cwt. or more

WARBA, Minn. cert A Sold Out

COBBLER, P.E.I. Found., A or B. \$4.95 \$4.85

15 lbs. \$1.00; 30 lbs. \$1.75; 60 lbs. \$3.25

KATAHDIN, P.E.I. Found., A. \$4.95 \$4.85

KATAHDIN, N. Y. cert. com. \$4.45 \$4.35

SEBAGO, P.E.I. Found., A. \$4.95 \$4.85

15 lbs. \$1.00; 30 lbs. \$1.75; 60 lbs. \$3.25

SEBAGO, N. Y. cert. A. \$4.70 \$4.60

SEBAGO, N. Y. cert. com. \$4.45 \$4.35

SEBAGO, N. Y. not cert. com. \$3.45 \$3.35

SEQUOIA, Minn. Cert. A. \$4.95 \$4.85

Ask for special prices on 100 bags or more

CABBAGE Best Strains Available

POSTPAID Pkt. oz. 1/4 to 1 lb. 5 lb.

Golden Acre \$2.25 \$.50 \$5.00 \$4.50

Copenhagen Market .25 .50 \$5.00 \$4.50

Reed's Glory 30 .60 \$6.50 \$6.00

Quaker Hill Danish .50 1.00 10.00 9.50

Reed's Red Danish Sold Out

BUCKWHEAT Per bu. 48 lb.

10 BU. OR MORE 10¢ LESS

JAPANESE OR SILVER HULL \$3.00

MIXED \$2.75

ALFALFA

Highest Quality
300 lbs. or more 1/2¢ less

Northern Grown Sold Out

CLOVER

Highest quality. Approved sources.
300 lbs. or more 1/2¢ less

60 lbs. per bu. Per bu. Per lb.
MEDIUM RED, domestic Sold Out

MAMMOTH RED, domestic \$27.00 \$.45

ALSIKE, domestic \$25.20 \$.42

W. B. SWEET CLOVER \$12.00 \$.20

For less than 5 lb. of Postpaid Not paid

the following, add 10¢ lb. 5 to 19 lb. 20 lb. up

WILD WHITE, certified \$1.30 \$1.25

LADINO WHITE \$2.00 \$1.90

BIRD'S FOOT TREFOIL

Requires inoculant T Broad Leaf, hay type Sold Out

Narrow Leaf, pasture type \$2.00 \$1.90

See inoculants back page

TIMOTHY

Highest Quality
200 LB. OR MORE 1/2¢ PER LB. LESS

45 lbs. per bu. Per bu. Per lb.

COMMON, 99.50 to 99.80% purity \$4.05 \$.09

Per full 3 bushel bag, \$11.50

MIXED, 20% or more Alsike \$7.20 \$.16

Per full 3 bushel bag, \$21.00

MISCELLANEOUS

Best Grade
Per lb.

100 LBS. OR MORE 1/2¢ per lb. LESS

Less than 10 lbs. any item, add 10¢

KENTUCKY BLUE GRASS \$.52

CANADA BLUE GRASS52

ALTA FESCUE GRASS60

CREEPING RED FESCUE GRASS72

CHEWING'S FESCUE GRASS72

ASTORIA BENT GRASS 1.10

ORCHARD GRASS38

ORCHARD GRASS, pasture type, S 14360

RED TOP GRASS22

REED CANARY GRASS60

DOMESTIC RYE GRASS13

SMOOTH BROME GRASS23

ACHENBACH BROME25

PERENNIAL RYE GRASS24

SUDAN GRASS11

SWEET SUDAN22

JAPANESE MILLET08

HUNGARIAN MILLET10

GOLDEN MILLET10

PROSO MILLET, for grain08

DWARF ESSEX RAPE23

SORGHUM10

HAIRY VETCH20

SPRING VETCH14

Cornell Pasture Mixt.

Per lb.

100 LBS. OR MORE 1/2¢ per lb. LESS

SPECIAL PASTURE, 25 lbs. per A. \$.67

GENERAL PURPOSE, 20 lbs. per A.48

UTILITY, 20 lbs. per A.43

LADINO GRASS, 16 lbs. per A.48

POULTRY PASTURE, 14 lbs. per A.74

Lawn Mixtures

Recommended formulas Per lb.

100 LB. OR MORE 1¢ per lb. LESS

QUAKER HILL STANDARD Post paid Not paid

With Clover ... under 20 lbs. \$57; 20-99 \$52

Without Clover, under 20 lbs. \$53; 20-99 \$48

QUAKER HILL SHADE

Without Clover, under 20 lbs. \$61; 20-99 \$56



ORDER FORM K. C. LIVERMORE, Honeoye Falls, N. Y. Dear Friend:—I wish to order the following: , 1946

@	\$	@	\$
@	\$	@	\$
@	\$	@	\$
@	\$	@	\$
@	\$	@	\$
@	\$	@	\$
@	\$	@	\$
@	\$	@	\$

If transportation charges to be paid by you, have to be prepaid, please allow for them here. Excess will be returned.

TERMS: Cash with order, or 25% with order and balance before shipment or on arrival with collection fees added. If balance is to be paid at a bank on delivery, give name and address of bank.

Bank P.O. State

Total - - - \$.....

Check or M. O. - - \$.....

Balance - - - \$.....

Ship to (Person) P. O. State Rt. or St.

Freight or express station State Railroad

Shipping instructions Name and address of person ordering, if different from above

Farm Chemicals for Seeds and Soil

ALL POSTPAID EXCEPT AS STATED

CORROSIVE SUBLIMATE

For potatoes, cabbage, etc. $\frac{1}{4}$ lb. \$1.00; 1 to 4 lb. \$2.80 per lb.; 5 lb. up \$2.50 per lb.; express collect. Special prices on larger amounts.

YELLOW OXIDE OF MERCURY

For potatoes, 1 lb. treats 100 or more bu.; $\frac{1}{2}$ lb. \$2.00; 1 to 4 lb. \$3.25 per lb.; 5 lb. up \$3.00 per lb.

CALOMEL

For cabbage, turnip, radish, $\frac{1}{2}$ lb. \$2.20; $\frac{3}{4}$ lb. \$3.00; 1 to 4 lb. \$3.50 per lb.; 5 lbs. up, \$3.20 lb.

YELLOW OXIDE OF COPPER

For peas, spinach, beets, 1 teaspoon per lb., or $2\frac{1}{2}$ lb. per cwt.; $\frac{1}{4}$ lb. 35c; $\frac{1}{2}$ lb. 50c; 1 lb. 80c; 5 lb. \$3.80. Special prices on larger quantities.

ZINC OXIDE

For seed beds, $\frac{1}{2}$ to 1 oz. per sq. ft.; 1 to 9 lb. 25c per lb.; 10 to 49 lb. 20c per lb., postage paid. Freight collect 50 lb. bags, \$6.00; 100 lb. bags \$10.

GRAPHITE

For coating peas to prevent breakage after treating; 2 oz. per bu.; $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ lb. 30c; 1 to 4 lb. 35c per lb.; 5 lb. up, 30c per lb., postage paid. Freight collect, 100 lb. bags, \$18.00.

GUM ARABIC POWDER

To make calomel stick to cabbage seed; 1 oz. per lb. seed; 1 oz. 15c; 2 oz. 20c; $\frac{1}{4}$ lb. 30c; $\frac{1}{2}$ lb. 50c; 1 lb. 85c.

FORMALDEHYDE

For seed treating and soil disinfecting, (40%); 1 lb. can 40c; 5 cans up 35c each, express collect. Special prices on large quantities in bulk.

TOBACCO POWDER

To repel flea beetles, squash bugs, etc., for fumigating; 1 to 4 lb., 15c per lb.; 5 to 29 lb., 10c per lb., postage paid; 30 to 99 lb., 5c per lb.; 100 lb. bags, \$4.00 per bag freight collect.

SPERGON

A dust for treating seeds and soils to control fungus and bacterial diseases, 2 to 3 oz. per bu. of seed; 2 oz. 45c; 1 lb. \$2.50 postpaid; not prepaid 5 lb. \$9.95; 10 lb. \$18.50.

SULPHUR

For scabby potatoes. The easiest way to control scab on potatoes is to scatter 1 to 2 lb. of sulphur over each bushel of seed as it is dumped in the planter hopper. The action of the machine coats the seed fairly well and the surplus runs into the row. Wherever scab conditions are unusually bad, the soil should be treated as well as the seed. The same treatment also controls scab gnat and milpede injury. Apply sulphur only where needed; apply 200 to 800 lb. per acre depending on the severity of the scab or as indicated by soil tests; apply after plowing and mix thoroly at least 4" deep. Use our Free Flow Sulphur. It drills better and is economical. One application lasts years. Prices f.o.b. here. $\frac{1}{2}$ lb.; \$3.50 per cwt.; \$60.00 per ton. Special prices on ton lots or more delivered from factory.

DRAIN TILE

Not available at present because ceiling price has been too low to permit production.

NITRAGIN LEGUME INOCULANTS

CULTURE A for alfalfa, sweet clover, yellow trefoil and CULTURE B for medium, mammoth, alsike, crimson, Ladino, wild white and white Dutch clovers, 1 bu. size 50c; $\frac{1}{2}$ bu. size \$1.00.

CULTURE C for vetches, field peas, garden peas, 100 lb. size \$.50; 1200 lb. size \$5.70.

CULTURE D for field, garden beans, 1 bu. size 35c.

CULTURE S for soy beans, 2 bu. size 30c; 5 bu. size 55c; 30 bu. size \$3.25.

CULTURE T for birdfoot trefoil, 1 bu. size \$.50.

STANLEY'S CROW REPELLENT

$\frac{1}{2}$ pt. (treats 1 bu. corn) 60c; pt. (treats 2 bu. corn) \$1.00; qt. (treats 4 bu. corn) \$1.75.

SCARE CROW

$\frac{1}{2}$ pt. (treats 1 bu. corn) 40c; pt. 60c; qt. \$1.00.

ARASAN

For vegetable seed; 1/3 tsp. per lb. large seeds to 2/3 tsp. for small seed or 2 to 4 oz. per 100 lbs.; 1 oz. \$15; 8 oz. \$80; 5 lb. \$5.15; 25 lb. \$30.00.

CERESAN

For oats, barley, wheat (1 lb. treats 32 bu.); 1 lb. 80c; 4 lb. \$2.70; 25 lb. \$15.00.

SEMESAN JR.

For corn, $1\frac{1}{2}$ oz. per bu.; $1\frac{1}{2}$ oz. 15c; $\frac{3}{4}$ lb. 56c; $6\frac{1}{4}$ lb. \$3.75.

SEMESAN

For vegetables and flower seeds and bulbs; 2 oz. 40c; 12 oz. \$1.90; 4 lb. \$9.10.

SEMESAN BEL

For potatoes; 1 lb. per 50 to 80 bu.; 2 oz. 30c; 1 lb. \$1.65; 4 lb. \$5.70; 25 lb. \$33.25.